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Frank C. Eisenschenk
Frank C. Eisenschenk, Ph.D., Patent Attorney

1645
INFORMATION DISCLOSURE STATEMENT
Examining Group 1645
Patent Application
Docket No. G-101US05REG
Serial No. 10/051,681

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : unknown
Art Unit : 1645
Applicant(s) : Daniel Cohen and Ilya Chumakov
Serial No. : 10/051,681
Filed : January 16, 2002
Conf. No. : 1458
For : Treatment of CNS Disorders Using D-Amino Acid Oxidase and D-Aspartate Oxidase Antagonists

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Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 AND 1.98

Sir:

In accordance with 37 C.F.R. § 1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed.

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO/SB/08 with initials or other appropriate marks. If any additional fee is required, or to credit any overpayment, please use Deposit Account No. 19-0065.

Applicants respectfully assert that the substantive provisions of 37 C.F.R. §§ 1.56, 1.97, and 1.98 are met by the foregoing statements.

Respectfully submitted,



Frank C. Eisenschenk
Patent Attorney
Registration No. 45,332
Phone No.: 352-375-8100
Fax No.: 352-372-5800
Address: Saliwanchik, Lloyd & Saliwanchik
A Professional Association
2421 N.W. 41st Street, Suite A-1
Gainesville, FL 32606-6669

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Attachments: Form PTO/SB/08A & B (10 pages)
Copies of references cited

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/051.681
				Filing Date	January 16, 2002
				First Named Inventor	D. COHEN, et al.
				Art Unit	1645
				Examiner Name	Unassigned
				Attorney Docket Number	101.US5.REG
Sheet	1	of	10		

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Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	F1	WO 00/22122 A2	04/20/2000	Genset		
	F2	WO 01/40493 A2	06/07/2001	Genset		
	F3	WO 00/58510 A2	10/05/2000	Genset		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/051.681
		Filing Date	January 16, 2002
		First Named Inventor	D. COHEN, et al.
		Group Art Unit	1645
		Examiner Name	Unassigned
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Sheet	2	of	10

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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	R1	ALSTON, T., et al. "Suicide inactivation of D-amino acid oxidase by 1-chloro-1-nitroethane"; The Journal of Biological Chemistry, Vol 258, N°2 : 1136-41, January 25, 1983	
	R2	BARAM, T., and al. "CRH gene expression in the fetal rat is not increased after pharmacological adrenalectomy"; Neuroscience Letters, Vol 142 : 215-8, 1992	
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	R5	CHUN, W., et al. "Tissue transglutaminase selectively modifies proteins associated with truncated mutant Huntingtin in intact cells"; Neurobiology of Disease, Vol 8 : 391-404, 2001	
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	R7	D'ANIELLO, A., et al. "Further study on the specificity of D-amino acid oxidase and of D-aspartate oxidase and time course for complete oxidation of D-amino acids"; Comp. Biochem. Physiol., Vol 105B, N°3/4 : 731-4, 1993	
	R8	DIXON, M., et al. "D-amino acid oxidase - I. Dissociation and recombination of the holoenzyme"; Biochimica et Biophysica Acta, Vol 96 : 357-67, 1965	
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	R11	FERTI, C., et al. "Reactivity of D-amino acid oxidase with 1,2-cyclohexanedione : evidence for one arginine in the substrate-binding site" Eur J Biochem, Vol 119 : 553-7, 1981	

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	R12	FONDA, M., et al. "D-amino acid oxydase"; The Journal of Biological Chemistry, Vol 243, N°8 : 1931-5, April 25, 1968	
	R13	KRAUS, J.L., et al. "Tetrazole isosteres of biologically active acids and their effects on enzymes"; Research Communications in Chemical Pathology and Pharmacology, Vol 83, N°2 : 209-22, February 1994	
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	R18	HASHIMOTO, A. et al. "Free D-serine, D-aspartate and D-alanine in central nervous system and serum in mutant mice lacking D-amino acid oxydase"; Neuroscience Letters, Vol 152 : 33-6, 1993	
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	R23	KONNO, R, et al. "Mouse mutant deficient in D-amino acid oxidase activity"; Genetics, Vol 103 : 277-85, February 1983
	R24	MARCOTTE, P, et al. "Sequence of reactions which follows enzymatic oxidation of allylglycine"; Biochemistry, Vol 17, N° 26 : 5620-6, 1978
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	R34	MIYANO, M, et al. "Studies on Phe-228 and Leu-307 recombinant mutants of porcine kidney D-amino acid oxidase : expression, purification and characterization" ; J. Biochem, Vol 109, N°1 : 171-7, 1991	
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	R39	NISHINO, T, et al. "Chemical modifications of D-amino acid oxidase" ; The Journal of Biological Chemistry, Vol 255, N°8 : 3610-6, April 25, 1980	
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	R41	PORTER, D, et al. "Active site chlorination of D-amino acid oxidase by N-chloro-D-leucine" ; The Journal of Biological Chemistry, Vol 251, N°19 : 6150-3, October 10, 1976	
	R42	RAMON, F, et al. "Chemical mechanism of D-amino acid oxidase from Rhodotorula gracilis : pH dependence of kinetic parameters" ; Biochem. J., Vol 330 : 311-4, 1998	
	R43	RICCI, G, et al. "Interaction between 1,4-thiazine derivatives and D-amino-acid oxidase" ; Biochimica et Biophysica Acta, Vol 748 : 40-7, 1983	
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	R45	SCHELL, M, et al. "D-serine as a neuromodulator : regional and developmental localizations in rat brain glia resemble NMDA receptors" ; The Journal of Neuroscience, Vol 17, N°5 : 1604-15, March 1, 1997	
	R46	SETOYAMA, C, et al. "Structural and functional characterization of the human brain D-aspartate oxidase" ; J. Biochem, Vol 121, N°4 : 798-803, 1997	
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	R48	SWENSON, RP, et al. "Methylation of the active center histidine 217 in D-amino acid oxidase by Methyl-p-nitrobenzenesulfonate" ; The Journal of Biological Chemistry, Vol 259, N°9 : 5585-90, May 10, 1984	
	R49	SWENSON, RP, et al. "Chemical modification of D-amino acid oxidase" ; The Journal of Biological Chemistry, Vol 257, N°4 : 1937-44, February 25, 1982	
	R50	TANAKA, F, et al. "Interaction of steroids with D-amino acid oxidase" ; Biochimica et Biophysica Acta, Vol 522 : 43-8, 1978	
	R51	VAMECQ, J, et al. "Inhibition of peroxisomal fatty acyl-CoA oxidase by antimycin A" ; Biochem J, Vol 248 : 603-7, 1987	
	R52	VAN VELDHOVEN, P, et al. "D-aspartate oxidase, a peroxisomal enzyme in liver of rat and man" ; Biochimica et Biophysica Acta, Vol 1073 : 203-8, 1991	
	R53	WANG, H, et al. "Regulation of rat magnocellular neurosecretory system by D-aspartate : evidence for biological role(s) of a naturally occurring free D-amino acid in mammals" ; Journal of Endocrinology, Vol 167 : 247-52, 2000	
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	R56	AMERY, L, et al. "C-terminal tripeptide Ser-Asn-Leu (SNL) of human D-aspartate oxidase is a functional peroxisome-targeting signal"; Biochem J, Vol 336 : 367-71, 1998 - ABSTRACT	
	R57	ARMATI, PJ, et al. "A new medium for in vitro peripheral nervous tissue myelination without the use of antimitotics"; J Neurosci Methods, Vol 33 (2-3) : 149-55, 1990 - ABSTRACT	
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	R64	D'ANIELLO, G, et al. "Occurrence of free D-aspartic acid in the circumoesophageal ganglia of Aplysia fasciata"; Life Sci, Vol 52(8) : 733-6, 1993 - ABSTRACT	
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	R66	FISHER, GH, et al. "Quantification of D-aspartate in normal and Alzheimer brains"; Neurosci Lett, Vol 143(1-2) : 215-8, 1992 - ABSTRACT	

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			Examiner Name	Unassigned
			Attorney Docket Number	101.US5.REG
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Filing Date January 16, 2002
First Named Inventor D. Cohen *et al.*
Group Art Unit 1645
Examiner Name unassigned
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